

Xerox Security Bulletin XRX17-022



Xerox® FreeFlow® Print Server v7 and v9

Update Manager Network Delivery of:

July 2017 Security Patch Cluster

Java 7 Update 151

Bulletin Date: August 18, 2017

A. Background

Oracle delivers quarterly Critical Patch Updates (CPU) to address US-CERT-announced Security vulnerabilities and deliver reliability improvements to the Solaris Operating platform. Oracle does not provide these patches to the public, but authorize vendors like Xerox to deliver them to Customers with active FreeFlow® Print Server Support Contracts (FSMA). Customers who may have an Oracle Support Contract for their non-FreeFlow® Print Server Solaris Servers should not install patches not prepared/delivered by Xerox. Installing non-authorized patches for the FreeFlow® Print Server software violates Oracle agreements, can render the platform inoperable, and result in downtime and/or a lengthy re-installation service call.

This bulletin announces the availability of the following:

1. **July 2017 Security Patch Cluster**
 - This supersedes the April 2017 Security Patch Cluster
2. **Java 7 Update 151 Software**
 - This supersedes Java 7 Update 141 Software

CAVEAT: The SMB services do not work after installing the July 2017 Security Patch Cluster. We are currently investigating this software issue to provide a patch fix. The purpose for SMB service on the FreeFlow® Print Server platform is to support the Hot Folder workflow. Another better option to make use of Hot Folder workflow is using SFTP (port 22), which is a more secure workflow. Other uses for the SMB services are access to remote SMB shares from the 'Print From File' UI, and storing PDF or TIFF output from a scanned physical document on a printer such as Nuvera.

See US-CERT Common Vulnerability Exposures (CVE) the July 2017 Security Patch Cluster remediate in table below:

July 2017 Security Patch Cluster CVE Remediation Table					
CVE-2013-7447	CVE-2015-8875	CVE-2017-10003	CVE-2017-10036	CVE-2017-3622	CVE-2017-3630
CVE-2014-9766	CVE-2016-10164	CVE-2017-10004	CVE-2017-10042	CVE-2017-2619	CVE-2017-3632
CVE-2015-7674	CVE-2016-5384	CVE-2017-10122	CVE-2017-10062	CVE-2017-3629	CVE-2017-7494

See the US-CERT Common Vulnerability Exposures (CVE) the Java 7 Update 151 Software remediate in table below:

Java 7 Update 151 Software CVE Remediation Table				
CVE-2017-10053	CVE-2017-10086	CVE-2017-10102	CVE-2017-10110	CVE-2017-10135
CVE-2017-10067	CVE-2017-10087	CVE-2017-10105	CVE-2017-10114	CVE-2017-10176
CVE-2017-10074	CVE-2017-10090	CVE-2017-10107	CVE-2017-10115	CVE-2017-10193
CVE-2017-10081	CVE-2017-10096	CVE-2017-10108	CVE-2017-10116	CVE-2017-10198
CVE-2017-10089	CVE-2017-10101	CVE-2017-10109	CVE-2017-10118	CVE-2017-10243

Note: Xerox recommends that customers evaluate their security needs periodically and if they need Security patches to address the above CVE issues, schedule an activity with their Xerox Service team to install this announced Security Patch Cluster. Alternatively, the customer can install the Security Patch Cluster using the Update Manager UI from the Xerox® FreeFlow® Print Server Platform.

B. Applicability

Xerox offers the Security Patch Update delivery available over the network from a Xerox server using an application called FreeFlow® Print Server Update Manager. The use of FreeFlow® Print Server Update Manager (GUI-based application) makes it simple for a customer to install Security patch updates.

The FreeFlow® Print Server Update Manager delivery of the Oracle Security Patch Cluster provides the ability to install Security patches on top of a pre-installed FreeFlow® Print Server software release. The advantage of this network install method is the “ease of deliver and install” of this network delivery from a Xerox patch server over the Internet. This easy install method give a FFPS customer the option to manage the quarterly Security Patch Cluster install without need for support from Xerox service. This empowers the customer to have the option of installing these patch updates as soon as they become available, and not need to rely on the Xerox Service team. Many customers do not want the responsibility of installing the quarterly Security Patch Update or they are not comfortable providing a network tunnel to the Xerox or Microsoft® servers that store the Security Patch Update. In this case, the media install method (i.e., USB/DVD) is the best option under those circumstances.

A tool is available that enables identification of the currently installed FreeFlow® Print Server software release, Security Patch Cluster, and Java Software version. Run this tool after the Security Patch Cluster install to validate successful install. Example output from this script for the FreeFlow® Print Server v7 software release is as following:

FFPS Release Version	7.0_SP-3_(73.H0.23)
FFPS Patch Cluster	July 2017
Java Version	Java 7 Update 151

The July 2017 Security Patch Cluster is available for the FreeFlow® Print Server Software Releases below:

FreeFlow® Print Server v7

Xerox printer products running the FreeFlow® Print Server 73.H0.23 software release for:

1. Xerox Nuvera® 100/120/144/157 EA Digital Production System
2. Xerox Nuvera® 200/288/314 EA Perfecting Production System
3. Xerox Nuvera® 100/120/144 MX Digital Production System
4. Xerox Nuvera® 200/288 MX Perfecting Production System
5. Xerox® DocuPrint 100/115/135/155/180 MX Enterprise Printing System
6. Xerox® DocuTech® 6128/6155/6180 Production Publisher
7. Xerox® DocuTech® Highlight Color 128/155/180 Production Publisher
8. Xerox® DocuColor® 242/252/260/700,
9. Xerox® DocuColor® 5000AP
10. Xerox® DocuColor® 7002/8002
11. Xerox® DocuColor® 8080
12. Xerox® Digital Printer 4112/4127 Enterprise Printing System
13. Xerox® Digital 4590/4595 Copier/Printer

All previous FreeFlow® Print Server v7.3 software releases have not been tested with July 2017 Security Patch Cluster, but there should not be any problems on previous FreeFlow® Print Server 7.3 releases.

FreeFlow® Print Server v9

Xerox printer products running the FreeFlow® Print Server 93.G4.74A software release for:

1. Xerox® iGen® Products (iGen4, iGen150, Xerox® Color 8250 Presses)
2. Xerox® Versant 80/2100 Presses
3. Xerox® Color 800/100, 800i/1000i Presses
4. Xerox® Color Press J75/C75 Presses
5. Xerox® Color Press 560/570
6. Xerox® Impika® Compact Inkjet Press
7. Xerox® CiPress® 325/500 Production Inkjet System
8. Xerox® Rialto® 900 Inkjet Press
9. Xerox® D95/110/125/136 Copier/Printers

All previous FreeFlow® Print Server v9.3 software releases have not been tested with July 2017 Security Patch Cluster, but there should not be any problems on previous FreeFlow® Print Server 9.3 releases.

C. Patch Install

Xerox strives to deliver Security Patch Clusters in a timely manner. The customer process to obtain FFPS Security Patch Cluster updates (delivered on a quarterly basis) is to contact the Xerox hotline support number, or use FFPS Update Manager to install as the System Administrator. FFPS Update Manager is a GUI tool on the FFPS platform used to check for Security patches, download Security patches, and install Security patches. The customer can install a quarterly FFPS Security Patch Cluster using the FFPS Update Manager UI, or schedule Xerox Service to perform the install.

Once the Security patches are ready for customer delivery, they are available from the Xerox patch server. Procedures are available for the FFPS System Administrator or Xerox Service for using the Update Manager GUI to download and install the Security patches over the Internet. The Update Manager UI has a '**Check for Updates**' button that can be selected to retrieve and list patch updates available from the Xerox patch server. When this option is selected the latest FFPS Security Patch Cluster should be listed (E.g., "July 2017 Security Patch Cluster for FFPS v9.3") as available for download and install. The Update Manager UI includes mouse selectable buttons to download and then install the patches.

Xerox uploads the Security Patch Cluster to a Xerox patch server that is available on the Internet outside of the Xerox Corporate network once the deliverable has been tested and approved. Once in place on the Xerox server, a CSE/Analyst or the customer can use FreeFlow® Print Server Update Manager UI to download and install on the FreeFlow® Print Server platform.

The customer proxy information is required to be setup on the FFPS platform so it can access to the Xerox patch over the Internet. The FFPS platform initiates a "secure" communication session with the Xerox patch server using HTTP over the SSLv3 protocol (HTTPS on port 443) using a VeriSign certificate. This connection ensures authentication of the FFPS platform for the Xerox server, and sets up encrypted communication of the patch data. The Xerox server does not initiate or have access to the FFPS platform behind the customer firewall. The Xerox server and FFPS system both authenticate each other before making a connection between the two end-points, and patch data transfer.

The customer proxy information is required to be setup on the FFPS platform so it can access to the Security Patch Update over the Internet. The FFPS platform initiates a "secure" communication session with the Xerox patch server using HTTP over the TSL 1.2 protocol (HTTPS on port 443) using an RSA 2018-bit certificate, and SHA1 encryption. This connection ensures authentication of the FFPS platform for the Xerox server, and sets up encrypted communication of the patch data. The Xerox server does not initiate or have access to the FFPS platform behind the customer firewall. The Xerox server and FFPS system both authenticate each other before making a connection between the two end-points, and patch data transfer.

D. Disclaimer

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